

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Sreenivas Kesaraju

GENERAL INFORMATION:

Name:	Ichikoh Manufacturing, Incorporated
Address:	6601 Midland Industrial Drive Shelbyville, Kentucky 40065
Date application received:	March 17, 1998
SIC/Source description:	3714
AFS(10-digit) Plant ID:	21-211-00034
EIS #:	104-3680-0034
Application log number:	F595
Permit number:	V-98-020

APPLICATION TYPE/PERMIT ACTIVITY:

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__Minor	<input checked="" type="checkbox"/> Synthetic minor
__Significant	<input checked="" type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM	0.6	53
SO ₂		
NO _x		
CO		
VOC	239	239
LEAD		
HAP \geq 10 tpy (by CAS)		

SOURCE PROCESS DESCRIPTION:

Ichikoh Manufacturing, Incorporated is a manufacturing plant located in Shelby County, Kentucky which produces rear and side view mirrors for the automobile industry. The mirrors are molded from ABS plastic and painted with wide range of colors.

This source consists mainly of injection molders and Paint Booth Systems. The Paint Booth system consist of Paint Rooms where the molded auto parts are painted. The Paint Booth system is a totally enclosed system consisting of individual spray stations (Paint Rooms) and Water Walls. The molded parts are first wiped with Isopropyl Alcohol (IPA) and then the Base Coat and Color Coat are applied. Some color coatings are followed by a Clear Coat. The final step of the paint system is the drying process. This process is conducted in an oven operating at a temperature of about 176° F. Each spray booth and the oven has an individual exhaust stack.

The emissions from this source are VOC and Particulate (PM10) emissions. The VOC emissions are major and are from painting process and injection molding machines. All the VOC emissions are uncontrolled. Other sources of VOC are wiping the parts with IPA and cleaning the mixing drums and spray guns with Clean Up Solvent. The particulate matter emissions are from the paint overspray and are subject to 401 KAR 59:010. The particulate emissions are controlled by water walls in paint booth systems P1, P3, P4 and P5 and Dry Filters in P2.

EMISSION AND OPERATING CAPS DESCRIPTION:**Emission Caps:**

This permit is being issued as a synthetic minor permit. The source wide cap on VOC's is 239 TPY. The permit requires the source to keep daily records on paint usage and monthly records on the clean up solvent and Isopropyl Alcohol usages. The Permit also requires monthly reporting of source wide VOC emissions.

Operating Restrictions:

The paint spray booths P1, P3, P4 and P5 have to operate the Water Curtains all the time when performing the painting operation. The paint spray booth P2 has to have the dry filter in place all the time when performing the painting operation. These requirements are to keep the particulate emissions below the allowable emissions set by the regulation 401 KAR 59:010.

OPERATIONAL FLEXIBILITY : NONE